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707.clas.	22527

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 JPO Abstracts Database
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 IBM Technical Disclosure Bulletins

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DATE: Friday, September 24, 2004 [Printable Copy](#) [Create Case](#)

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L2: Entry 1 of 1

File: USPT

Feb 24, 1998

US-PAT-NO: 5721959

DOCUMENT-IDENTIFIER: US 5721959 A

**** See image for Certificate of Correction ****

TITLE: Information processing apparatus for pattern editing using logic
relationship representative patterns

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakamura; Takashi	Hiratsuka			JP
Kadosawa; Tsuneaki	Kanagawa-ken			JP
Ozawa; Kunitaka	Isehara			JP
Kawai; Tomoaki	Yokohama			JP
Koga; Eiji	Hadano			JP
Ogiwara; Satoshi	Sagamihara			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Canon Kabushiki Kaisha	Tokyo			JP	03

APPL-NO: 08/ 347173 [PALM]

DATE FILED: November 22, 1994

PARENT-CASE:

This application is a continuation of application Ser. No. 08/003,935 filed Jan. 21, 1993, now abandoned, which is a continuation of application Ser. No. 07/373,105 filed Jun. 29, 1989, abandoned.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	63-165657	July 1, 1988
JP	63-168180	July 5, 1988
JP	63-252994	October 6, 1988
JP	63-254246	October 7, 1988
JP	63-284212	November 10, 1988
JP	63-287944	November 15, 1988
JP	63-290472	November 17, 1988

INT-CL: [06] G06 F 17/50

US-CL-ISSUED: 395/919; 345/115, 345/146, 364/488, 364/468.09, 395/133, 395/354,

395/967

US-CL-CURRENT: 716/11; 345/723, 345/967, 700/103, 706/919

FIELD-OF-SEARCH: 364/488, 364/491, 364/468.09, 395/155, 395/135, 395/133, 395/352, 395/354, 395/919, 395/967, 345/115, 345/146

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3930237</u>	December 1975	Villers	364/200
<input type="checkbox"/>	<u>4546434</u>	October 1985	Gioello	364/400
<input type="checkbox"/>	<u>4613940</u>	September 1986	Shenton et al.	364/490
<input type="checkbox"/>	<u>4638442</u>	January 1987	Bryant et al.	364/489
<input type="checkbox"/>	<u>4656603</u>	April 1987	Dunn	364/900
<input type="checkbox"/>	<u>4686522</u>	August 1987	Hernandez et al.	345/160
<input type="checkbox"/>	<u>4710767</u>	December 1987	Sciacero et al.	345/191
<input type="checkbox"/>	<u>4745561</u>	May 1988	Hirosawa et al.	395/171
<input type="checkbox"/>	<u>4757470</u>	July 1988	Bruce et al.	395/135
<input type="checkbox"/>	<u>4806919</u>	February 1989	Nakayama et al.	345/120
<input type="checkbox"/>	<u>4808987</u>	February 1989	Talceda et al.	345/115
<input type="checkbox"/>	<u>4829446</u>	May 1989	Draney	364/488
<input type="checkbox"/>	<u>4847604</u>	July 1989	Doyle	345/180
<input type="checkbox"/>	<u>4873643</u>	October 1989	Powell et al.	364/468.09
<input type="checkbox"/>	<u>4885694</u>	December 1989	Pray et al.	364/464.1
<input type="checkbox"/>	<u>4903214</u>	February 1990	Hiwatashi	364/491
<input type="checkbox"/>	<u>4974175</u>	November 1990	Suzuki et al.	364/522
<input type="checkbox"/>	<u>5025395</u>	June 1991	Nose et al.	395/335
<input type="checkbox"/>	<u>5068802</u>	November 1991	Miyashita et al.	395/133
<input type="checkbox"/>	<u>5070534</u>	December 1991	Lascelles et al.	395/348

ART-UNIT: 235

PRIMARY-EXAMINER: Kim; Kenneth S.

ATTY-AGENT-FIRM: Fitzpatrick, Cella, Harper & Scinto

ABSTRACT:

A pattern editing apparatus includes a selector for selecting a plurality of patterns to be object patterns for an editing process. The plurality of patterns are displayed in a first area on a screen. The pattern selected by the selector is displayed in a second area on the screen. The apparatus also includes a provider, responsive to the selector, for providing a pattern for coupling the selected patterns displayed in the second area. The pattern coupling represents a flow chart processing relationship among the selected patterns. Also provided is a generator for generating a signal responsive to the absence of any pattern representing a flow chart processing relationship in the selected patterns, and an adder for adding the pattern representing the flow chart processing relationship as an object pattern of the editing process.

16 Claims, 49 Drawing figures

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File: USPT

Jan 22, 2002

US-PAT-NO: 6341288

DOCUMENT-IDENTIFIER: US 6341288 B1

TITLE: Database system with methodology for accessing a database from portable devices

DATE-ISSUED: January 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yach; David P.	Waterloo			CA
Graham; James D.	Waterloo			CA
Scian; Anthony F.	Waterloo			CA

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Sybase, Inc.	Emeryville	CA			02

APPL-NO: 09/ 124532 [PALM]

DATE FILED: July 29, 1998

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/103R; 707/100, 707/101, 707/102

US-CL-CURRENT: 707/103R; 707/100, 707/101, 707/102

FIELD-OF-SEARCH: 707/1, 707/2, 707/3-4, 707/10, 707/100-101, 707/102, 707/103, 707/205, 707/104, 717/1, 717/3, 717/5, 713/200

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4799254</u>	January 1989	Dayton et al.	379/93.26
<input type="checkbox"/>	<u>5291399</u>	March 1994	Chaco	705/3
<input type="checkbox"/>	<u>5664228</u>	September 1997	Mital	710/62
<input type="checkbox"/>	<u>5668987</u>	September 1997	Schneider	707/3
<input type="checkbox"/>	<u>5671404</u>	September 1997	Lizee et al.	707/5
<input type="checkbox"/>	<u>5694601</u>	December 1997	White	709/101

<input type="checkbox"/>	<u>5819066</u>	October 1998	Bromberg et al.	707/102
<input type="checkbox"/>	<u>5822750</u>	October 1998	Jou et al.	707/2
<input type="checkbox"/>	<u>5826077</u>	October 1998	Blakeley et al.	707/4
<input type="checkbox"/>	<u>5950190</u>	September 1999	Yeager et al.	707/3

OTHER PUBLICATIONS

Parallelizing loops in database programming languages by Daniel F. Lieuwen, Bell Lab, Lucent Technology, (IEEE paper) p. 86-93 (1998).

ART-UNIT: 2171

PRIMARY-EXAMINER: Mizrahi; Diane D.

ATTY-AGENT-FIRM: Smart; John A.

ABSTRACT:

An "UltraLite" database development environment capable of creating a database application that is more portable across multiple devices, including ones having limited computational power, is described. The applications themselves can incorporate SQL statements and SQL cursors for use against data sources, including UltraLite databases. The UltraLite development environment generates code to process the SQL in the application. The application code and generated code are compiled and then linked with the UltraLite runtime library. The result is an UltraLite program that includes application logic and database logic together in a single program. The environment includes, at its core, an "Analyzer" which receives SQL from the pre-compiler and submits the SQL to an available database server (e.g., Sybase Adaptive Server Anywhere) for parsing and optimization. The Analyzer uses the database server's (i.e., the database server of Adaptive Server Anywhere) access plans and schema information to generate C code to execute the SQL statements. By making the footprint for an UltraLite program as small as possible, the system provides a database system with low overhead, making it easier to create an application targeting device having limited computational power.

25 Claims, 11 Drawing figures

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File: USPT

Sep 19, 1995

US-PAT-NO: 5452450

DOCUMENT-IDENTIFIER: US 5452450 A

TITLE: System of global update for time/language heterogeneous databases using a relational reference database and both request and database identifier files

DATE-ISSUED: September 19, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Delory; Jean-Michel	Levis St. Nom			FR

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Alcatel Cit	Paris			FR	03

APPL-NO: 08/ 170979 [PALM]

DATE FILED: December 21, 1993

PARENT-CASE:

This is a continuation of application Ser. No. 07/705,409 filed May 24, 1991, now abandoned.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
FR	90 06651	May 29, 1990

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 395/600; 364/DIG.1, 364/282.1, 364/282.4, 364/283.4, 364/285

US-CL-CURRENT: 707/10; 707/201

FIELD-OF-SEARCH: 395/600, 395/650, 364/419.01

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4186438</u>	January 1980	Bensen et al.	364/200
<input type="checkbox"/>	<u>4466098</u>	August 1984	Southard	371/9.1

<input type="checkbox"/>	<u>4714995</u>	December 1987	Materna et al.	395/600
<input type="checkbox"/>	<u>4745559</u>	May 1988	Willis et al.	364/514
<input type="checkbox"/>	<u>4769772</u>	September 1988	Dwyer	395/600
<input type="checkbox"/>	<u>4835685</u>	May 1989	Kun	364/200
<input type="checkbox"/>	<u>4887204</u>	December 1989	Johnson et al.	364/200
<input type="checkbox"/>	<u>4914570</u>	April 1990	Peacock	364/200
<input type="checkbox"/>	<u>4918593</u>	April 1990	Huber	364/200
<input type="checkbox"/>	<u>4925311</u>	May 1990	Neches et al.	364/200
<input type="checkbox"/>	<u>5058000</u>	October 1991	Cox et al.	395/600
<input type="checkbox"/>	<u>5257366</u>	October 1993	Adair et al.	395/600
<input type="checkbox"/>	<u>5278978</u>	January 1994	Demers et al.	395/600
<input type="checkbox"/>	<u>5307265</u>	April 1994	Winans	364/419.01

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2201270	August 1988	GB	

OTHER PUBLICATIONS

Hewlett-Packard Journal, vol. 37, No. 12, Dec. 1986, pp. 33-48, Palo Alto, Calif. USA; A. S. Brown et al.: "Data base management for HP precision architecture computers".

ART-UNIT: 237

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Amsbury; Wayne

ATTY-AGENT-FIRM: Sughrue, Mion, Zinn, Macpeak & Seas

ABSTRACT:

A database network management method ensures consistency of modifications to data in a network of databases comprising a relational database which constitutes a reference database and at least one further database accessible in real time. The data of the relational database is duplicated at least in part in the further databases accessible in real time. To enable an application process to modify data in all of the database network, the method is as follows: (1) A data modification request in the SQL language is sent from the application process to a pool of server processes of a relational database management system, (2) a server process is assigned to the request for the duration of its processing, (3) the modification request in the dynamic SQL language is sent from the server process pool to a relational database management system and the request is executed, (4) the further databases in accessible in real time to which the modification request relates are determined, (5) the request is transferred to the further databases in a form compatible with a management system of each further database concerned, and (6) the modification request is executed in each further database concerned.

3 Claims, 4 Drawing figures

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File: USPT

Sep 24, 2002

US-PAT-NO: 6457007

DOCUMENT-IDENTIFIER: US 6457007 B1

TITLE: Distributed database management system including logical database
constituted by a group of physical databases

DATE-ISSUED: September 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kikuchi; Satoshi	Yokohama			JP
Ito; Hiromichi	Yokohama			JP
Nakane; Keiichi	Yokohama			JP
Hashimoto; Hisashi	Yokohama			JP
Nishiyama; Eisaku	Ebina			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hitachi, Ltd.	Tokyo			JP	03

APPL-NO: 08/ 285534 [PALM]

DATE FILED: August 5, 1994

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	5-194470	August 5, 1993
JP	6-118517	May 31, 1994

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/10; 707/100

US-CL-CURRENT: 707/10; 707/100

FIELD-OF-SEARCH: 395/600, 364/DIG.1, 364/DIG.2, 707/10, 707/100, 707/102, 707/13R-13Z

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4853843</u>	August 1989	Ecklund	395/600
<input type="checkbox"/>	<u>5181238</u>	January 1993	Medamana et al.	379/95
<input type="checkbox"/>	<u>5247575</u>	September 1993	Sprague et al.	380/9
<input type="checkbox"/>	<u>5333317</u>	July 1994	Dann	395/600
<input type="checkbox"/>	<u>5412806</u>	May 1995	Du et al.	395/600
<input type="checkbox"/>	<u>5426747</u>	June 1995	Weinreb et al.	395/400
<input type="checkbox"/>	<u>5457797</u>	October 1995	Butterworth et al.	395/650

OTHER PUBLICATIONS

W. Litwin et al., "Interoperability of Multiple Autonomous Databases", ACM Computing Surveys, vol. 22, No. 3, Sep. 1990, pp. 267-293.

W. Litwin et al., "Interoperability of Multiple Autonomous Databases", computer science--acm computing surveys '90, special issue of bit, Jul. 1992, pp. 115-139, published by Kyoritsu Shuppan Co., Ltd., Tokyo, Japan (in Japanese).

ART-UNIT: 2125

PRIMARY-EXAMINER: Von Buhr; Maria N.

ATTY-AGENT-FIRM: Antonelli, Terry, Stout, & Kraus, LLP

ABSTRACT:

A distributed database management system includes a communication network, at least a terminal device including an application program execution unit connected to the communication network, a plurality of information processors connected to the communication network, a plurality of physical databases installed in at least one of the information processors, at least a logical database grouping a plurality of the, physical databases, the logical database being defined by logical database information stored in at least one of the terminal device and the plurality of information processors, at least a table stored in at least one of the physical databases, and a table location searching unit installed in at least one of the terminal device and the plurality of information processors, for searching a table stored in at least one of the physical databases based on the logical database information, the table being requested to access on a logical database, from the application program execution unit.

42 Claims, 47 Drawing figures

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